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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/762,594

DATE: 08/30/2001

TIME: 07:24:29

Input Set : A:\0277848.app

Output Set: N:\CRF3\08302001\I762594.raw

ENTERED

3 <110> APPLICANT: PAPADOPOULOS, VASSILIOS
 4 HAU, LI
 6 <120> TITLE OF INVENTION: PERIPHERAL-TYPE BENZODIAZEPINE RECEPTOR ASSOCIATED
 7 PROTEINS, CLONING, EXPRESSION AND METHODS OF USE
 9 <130> FILE REFERENCE: 082137-0277848
 11 <140> CURRENT APPLICATION NUMBER: 09/762,594
 12 <141> CURRENT FILING DATE: 2001-02-09
 14 <150> PRIOR APPLICATION NUMBER: PCT/US99/18507
 15 <151> PRIOR FILING DATE: 1999-08-11
 17 <150> PRIOR APPLICATION NUMBER: 60/096,048
 18 <151> PRIOR FILING DATE: 1998-08-11
 20 <160> NUMBER OF SEQ ID NOS: 11
 22 <170> SOFTWARE: PatentIn Ver. 2.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 505
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Mus musculus
 29 <400> SEQUENCE: 1
 30 gattcgcggc cgcgtcgacc accgctgcgc cctcctgcga ggccggctga acgaggaaat 60
 31 aattgctaat aaggcctctg tagccatggc tacttctgac gtgaaaccaa aatcaataag 120
 32 tcgtgccaag aaatggtcag aggaaataga aaatctgtac agatttcaac aagcaggata 180
 33 tcgggatgaa attgaatata aacaagtgaa acaaggccatgatggtcggacc gatggccaga 240
 34 gacagggtac gtgaagaaac ttccatggcggag ggacaataact ttcttctact acaacaaaga 300
 35 gagggagtcg gaggacaagg aggtccacaa agtgaaggtt tacgtctact gacctttcc 360
 36 ttcttcggc ttggcaatgc tccttaaga attgggtt tacattctc catcggtaa 420
 37 atgtcatttt acaaaaacaat tcacaattct gtcttaatt catgggtct tacacaacat 480
 38 aaacacccac cttgaaaccc aaaaa 505
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 42 <211> LENGTH: 1459
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Mus musculus
 46 <400> SEQUENCE: 2
 47 gaattcgcgg cgcgtcgac ctaaaagtta gttgttcact gtatgtaccc gtgtgaaggt 60
 48 agttttatcc tttaaatcaac ttccatttgc caaacttagta aaagatggca aagccttca 120
 49 tc当地acttat gaagaaaaac tgaagttcgat ggcactgcat aagcaagtcc ttttggcc 180
 50 atataacccca gacacgtccc ctggggatgg attttttatgt gtgttggggat atgataggag 240
 51 gagagaatgg gcagctctgg gaaacatgtc caaggaggat gccatggtag agtttgcgaa 300
 52 gcttctaaat aagtgttgc ctctcccttc ggcataatgtt gcttccacaa gaatagagaa 360
 53 ggaagaagaa gagaaaagaa gaaaggccgaa ggaggagcga aggccatgtc aagagaaga 420
 54 acgagagccg ctgcacaaagg aagaagagaa gcggaaagcga gaggaggaaag accggctgag 480
 55 acgggaggag gaagagaggc ggcggataga ggaagagagg cttccggctgg aacagcaaaa 540
 56 gcacgcata atggcagctt taaactcgca gactgccgtc caattccacg agtatgcagc 600
 57 ccacgcgtat ccacggaaact acgaacaaaca gcacattctc atccgcacgc tgcaggagca 660
 58 gcacatcgat cagtataaac accaggcaga gcaaacccaa cctgcacaaac aacaggcagc 720
 59 attacagaaa cagcaagaag tagtgcgttggc tggggcatca ttgcctgcattt catcaaagg 780
 60 gaacacagct ggagcaagtg atacactgtc agttaatggc caggccaaaa cccacactga 840
 61 aaattccgaa aaagtcccttggc agccagaagc tgcagaagaa gccttggaaa atggaccaaa 900

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120 tcaatcgaaa atttcatcgat atggccaaaa agatggactt aacctaagta catctcaaca 360
 121 agaaaagtatt tcaatgattc ctaaagggtcc tcctgaaaac tcagttatca gctgtgactc 420
 122 ccaggcccta aatatgttag ctgatctggc attaaggctc gctgctgctt ctataccatc 480
 123 ttgttaagccc aggaaccttc cctgcgtctc tgattgcca ccaaacaatg tcttactcac 540
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 128 <211> LENGTH: 88
 129 <212> TYPE: PRT
 130 <213> ORGANISM: Mus musculus
 132 <400> SEQUENCE: 6
 133 Met Ala Thr Ser Asp Val Lys Pro Lys Ser Ile Ser Arg Ala Lys Lys
 134 1 5 10 15
 136 Trp Ser Glu Glu Ile Glu Asn Leu Tyr Arg Phe Gln Gln Ala Gly Tyr
 137 20 25 30
 139 Arg Asp Glu Ile Glu Tyr Lys Gln Val Lys Gln Val Ala Met Val Asp
 140 35 40 45
 142 Arg Trp Pro Glu Thr Gly Tyr Val Lys Lys Leu Gln Arg Arg Asp Asn
 143 50 55 60
 145 Thr Phe Phe Tyr Tyr Asn Lys Glu Arg Glu Cys Glu Asp Lys Glu Val
 146 65 70 75 80
 148 His Lys Val Lys Val Tyr Val Tyr
 149 85
 152 <210> SEQ ID NO: 7
 153 <211> LENGTH: 463
 154 <212> TYPE: PRT
 155 <213> ORGANISM: Mus musculus
 157 <400> SEQUENCE: 7
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 159 1 5 10 15
 161 Lys Val Val Leu Phe Leu Asn Gln Leu Ser Leu Cys Lys Leu Val Lys
 162 20 25 30
 164 Asp Gly Lys Ala Phe His Pro Thr Tyr Glu Glu Lys Leu Lys Phe Val
 165 35 40 45
 167 Ala Leu His Lys Gln Val Leu Leu Gly Pro Tyr Asn Pro Asp Thr Ser
 168 50 55 60
 170 Pro Glu Val Gly Phe Phe Asp Val Leu Gly Asn Asp Arg Arg Arg Glu
 171 65 70 75 80
 173 Trp Ala Ala Leu Gly Asn Met Ser Lys Glu Asp Ala Met Val Glu Phe
 174 85 90 95
 176 Val Lys Leu Leu Asn Lys Cys Cys Pro Leu Leu Ser Ala Tyr Val Ala
 177 100 105 110
 179 Ser His Arg Ile Glu Lys Glu Glu Glu Lys Arg Arg Lys Ala Glu
 180 115 120 125
 182 Glu Glu Arg Arg Gln Arg Glu Glu Glu Arg Glu Arg Leu Gln Lys
 183 130 135 140
 185 Glu Glu Glu Lys Arg Lys Arg Glu Glu Glu Asp Arg Leu Arg Arg Glu
 186 145 150 155 160
 188 Glu Glu Glu Arg Arg Ile Glu Glu Glu Arg Leu Arg Leu Glu Gln
 189 165 170 175

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191 Gln Lys Gln Gln Ile Met Ala Ala Leu Asn Ser Gln Thr Ala Val Gln
192 180 185 190
194 Phe Gln Gln Tyr Ala Ala Gln Gln Tyr Pro Gly Asn Tyr Glu Gln Gln
195 195 200 205
197 Gln Ile Leu Ile Arg Gln Leu Gln Glu Gln His Tyr Gln Gln Tyr Lys
198 210 215 220
200 His Gln Ala Glu Gln Thr Gln Pro Ala Gln Gln Ala Ala Leu Gln
201 225 230 235 240
203 Lys Gln Gln Glu Val Val Met Ala Gly Ala Ser Leu Pro Ala Ser Ser
204 245 250 255
206 Lys Val Asn Thr Ala Gly Ala Ser Asp Thr Leu Ser Val Asn Gly Gln
207 260 265 270
209 Ala Lys Thr His Thr Glu Asn Ser Glu Lys Val Leu Glu Pro Glu Ala
210 275 280 285
212 Ala Glu Glu Ala Leu Glu Asn Gly Pro Lys Asp Ser Leu Pro Val Ile
213 290 295 300
215 Ala Ala Pro Ser Met Trp Thr Arg Pro Gln Ile Lys Asp Phe Lys Glu
216 305 310 315 320
218 Lys Ile Arg Gln Asp Ala Asp Ser Val Ile Thr Val Arg Arg Gly Glu
219 325 330 335
221 Val Val Thr Val Arg Val Pro Thr His Glu Glu Gly Ser Tyr Leu Phe
222 340 345 350
224 Trp Glu Phe Ala Thr Asp Ser Tyr Asp Ile Gly Phe Gly Val Tyr Phe
225 355 360 365
227 Glu Trp Thr Asp Ser Pro Asn Ala Ala Val Ser Val His Val Ser Glu
228 370 375 380
230 Ser Ser Asp Glu Glu Glu Glu Glu Glu Asn Val Thr Cys Glu Glu
231 385 390 395 400
233 Lys Ala Lys Lys Asn Ala Asn Lys Pro Leu Leu Asp Glu Ile Val Pro
234 405 410 415
236 Val Tyr Arg Arg Asp Cys His Glu Glu Val Tyr Ala Gly Ser His Gln
237 420 425 430
239 Tyr Pro Gly Arg Gly Val Tyr Leu Leu Lys Phe Asp Asn Ser Tyr Ser
240 435 440 445
242 Leu Trp Arg Ser Lys Ser Val Tyr Tyr Arg Val Tyr Tyr Thr Arg
243 450 455 460
246 <210> SEQ ID NO: 8
247 <211> LENGTH: 158
248 <212> TYPE: PRT
249 <213> ORGANISM: Mus musculus
251 <400> SEQUENCE: 8
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253 1 5 10 15
255 Leu Gly Glu Ile Gln Asn Val Gly Glu Gly Ser Ser Thr Ser Gln Gly
256 20 25 30
258 Thr Trp Gln Ser Ser Glu Ser Ser Gln Ser Asn Leu Gly Glu Gln Thr
259 35 40 45
261 Gln Ser Gly Pro Gln Gly Gly Arg Cys Gln Arg Arg Glu Arg His Asn
262 50 55 60

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264 Arg Met Glu Arg Asp Arg Arg Arg Arg Ile Arg Ile Cys Cys Asp Glu
265 65 70 75 80
267 Leu Asn Leu Leu Val Pro Phe Cys Asn Ala Glu Thr Asp Lys Ala Thr
268 85 90 95
270 Thr Leu Gln Trp Thr Thr Ala Phe Leu Lys Tyr Ile Gln Glu Arg His
271 100 105 110
273 Gly Asp Ser Leu Lys Lys Glu Phe Glu Ser Val Phe Cys Gly Lys Thr
274 115 120 125
276 Gly Arg Arg Leu Lys Leu Thr Arg Pro Glu Ser Leu Val Thr Cys Pro
277 130 135 140
279 Ala Gln Gly Ser Leu Gln Ser Ser Pro Ala Met Glu Ile Lys
280 145 150 155
283 <210> SEQ ID NO: 9
284 <211> LENGTH: 112
285 <212> TYPE: PRT
286 <213> ORGANISM: Mus musculus
288 <400> SEQUENCE: 9
289 Ala Ala Gly Trp Gln Glu Ser Lys Glu Lys Pro Ala Ser Arg Ser Arg
290 1 5 10 15
292 Pro Gly Thr Val Glu Glu Arg Glu Asp Arg Gln Arg Gly Ile Cys Leu
293 20 25 30
295 Ser Pro Arg Pro Glu His Val Pro Cys Gly Thr Cys Ser Val Thr Ala
296 35 40 45
298 Glu Pro Ala Gln Pro Ala Phe Leu Lys Leu Gly Val Ser Cys Pro Gln
299 50 55 60
301 Pro Ser Gln Gln Ser Val Cys Phe Pro Thr Thr Ser Glu Pro Asp Leu
302 65 70 75 80
304 Thr Ser Leu Phe Trp Trp Phe Pro Lys Phe Leu Ser Asp Leu His Val
305 85 90 95
307 Tyr Pro Ser Thr Pro Ser Lys Arg Glu Arg Lys Glu Leu Arg Lys Lys
308 100 105 110
312 <210> SEQ ID NO: 10
313 <211> LENGTH: 196
314 <212> TYPE: PRT
315 <213> ORGANISM: Mus musculus
317 <400> SEQUENCE: 10
318 Asn Ser Arg Pro Arg Arg Pro Gln Lys Arg Lys Arg Gly Ala Glu Val
319 1 5 10 15
321 Leu Ala Ala Gln Ile Val Gln Lys Thr Arg Leu Glu Arg Lys Lys Gln
322 20 25 30
324 Glu Ala Ser Val Ser Lys Asp Ala Pro Val Pro Thr Asn Thr Lys Arg
325 35 40 45
327 Ala Lys Lys Gln Glu Lys Ser Pro Gly Arg Ile Ala Ser Gln Ser Lys
328 50 55 60
330 Pro Pro Met Lys Lys Ser Pro Gln Lys Arg Lys Val Asn Val Ala Arg
331 65 70 75 80
333 Gly Arg Arg Asn Thr Arg Lys Gln Leu Gln Pro Ala Glu Lys Glu Ile
334 85 90 95
336 Ala Leu His Leu Gln Ser Glu Ile Ser Ser Asp Gly Gln Lys Asp Gly

VERIFICATION SUMMARY

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